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FIG. 1(a)

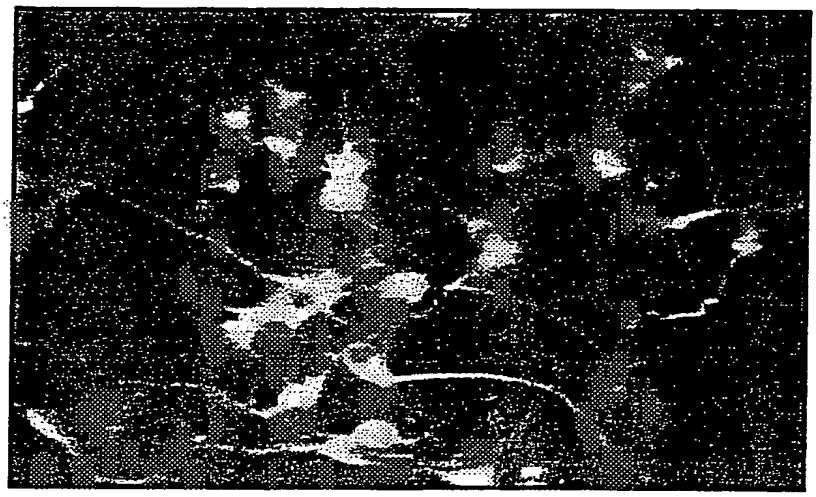


FIG. 1(b)

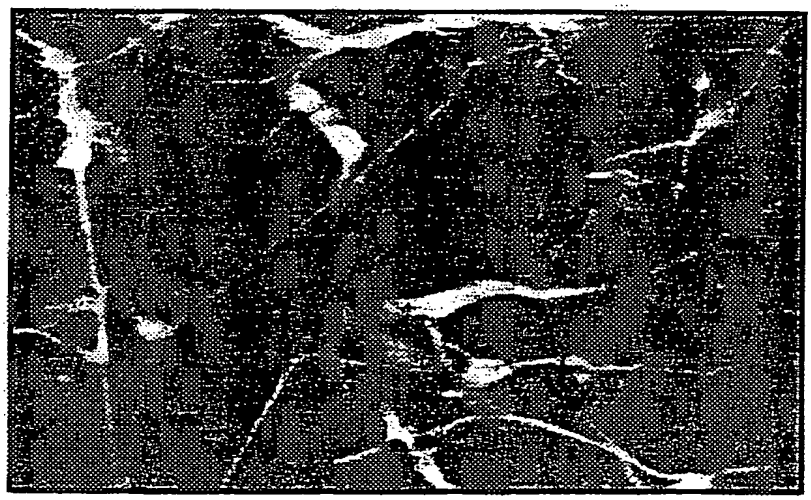


FIG. 1(c)

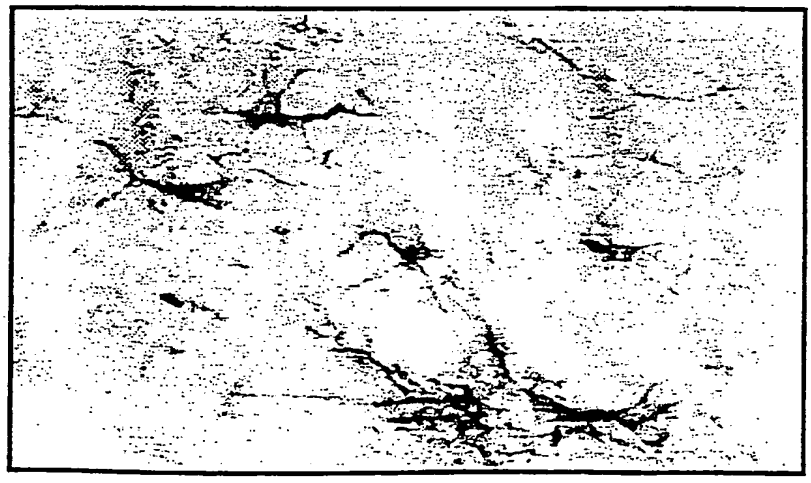


FIG. 2(a)

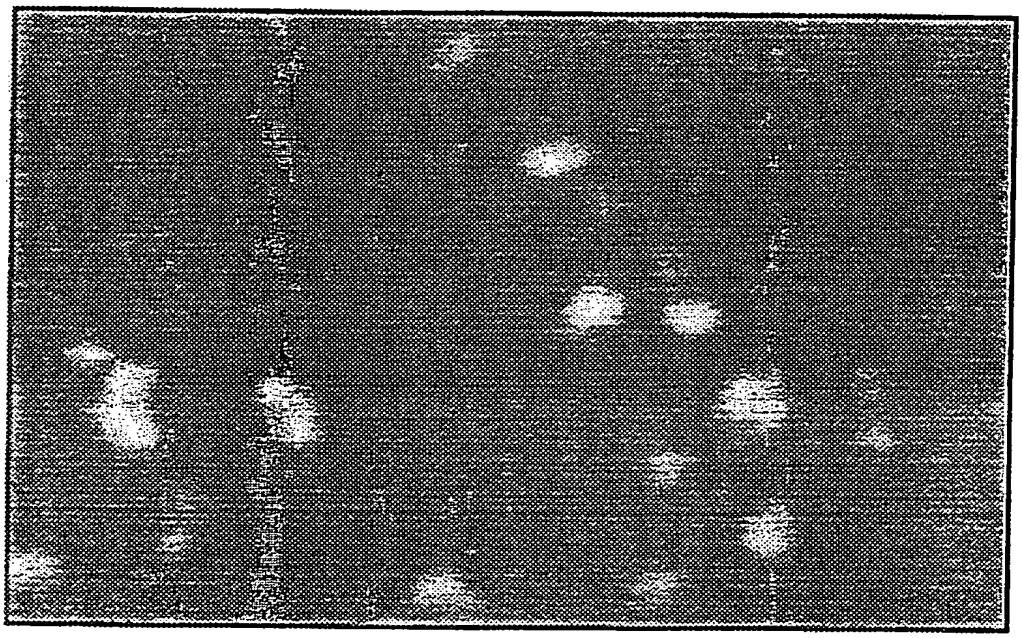


FIG. 2(b)

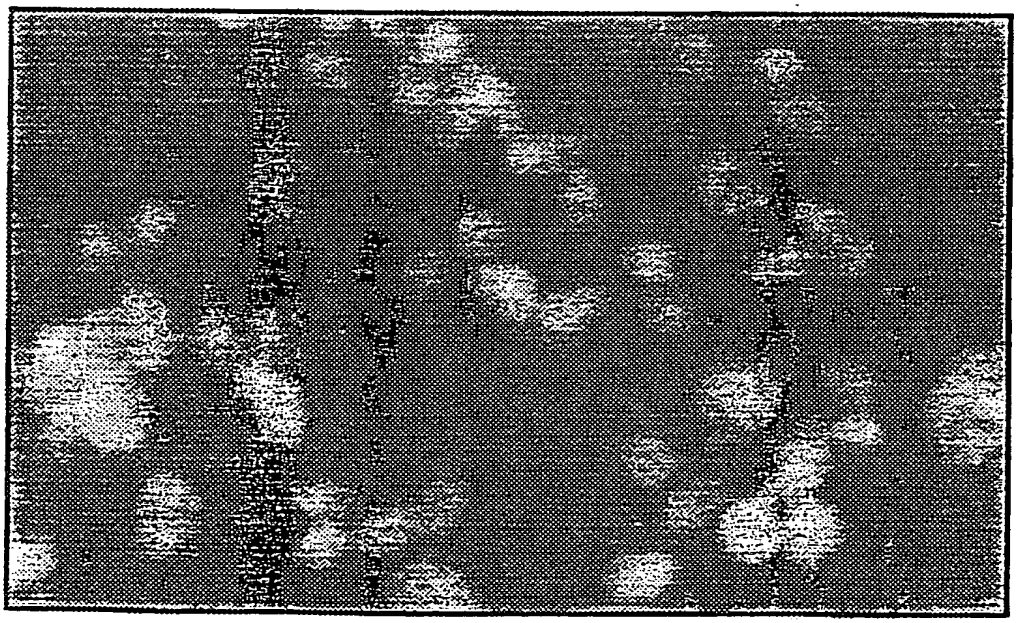
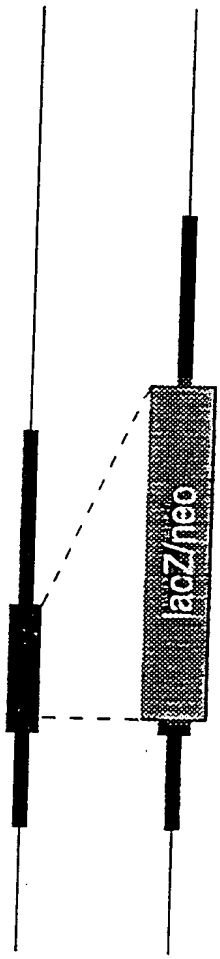


FIG. 3 NEURAL STEM CELL (NSC) SELECTION STRATEGY

I. TARGETING MARKER INTO NEURAL PRECURSOR-SPECIFIC GENE IN ES CELLS



II. ELIMINATION OF NON-NEURAL CELLS FROM DIFFERENTIATING ES CELL CULTURES

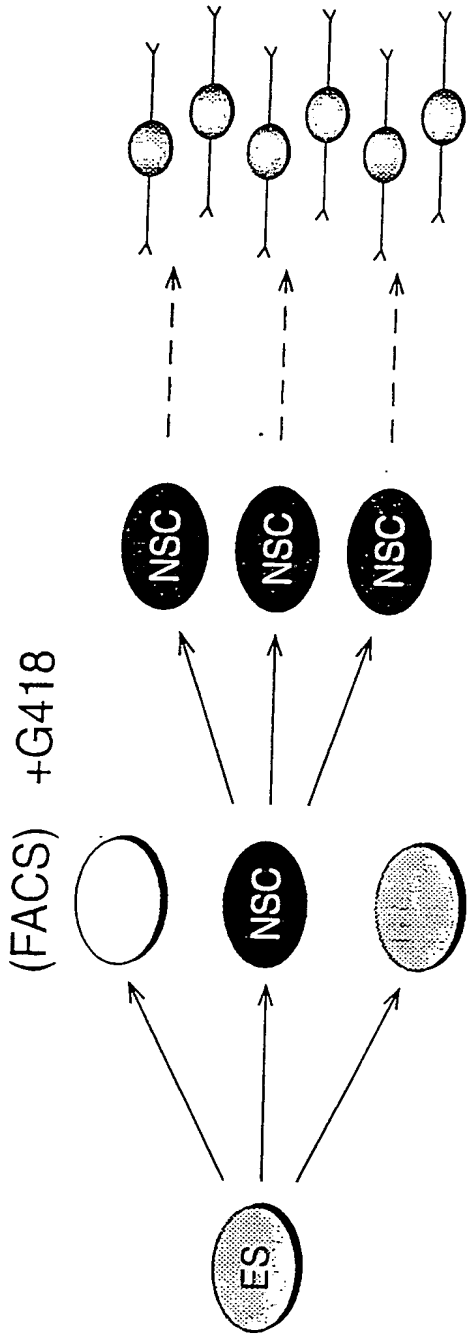


FIG. 4(a)

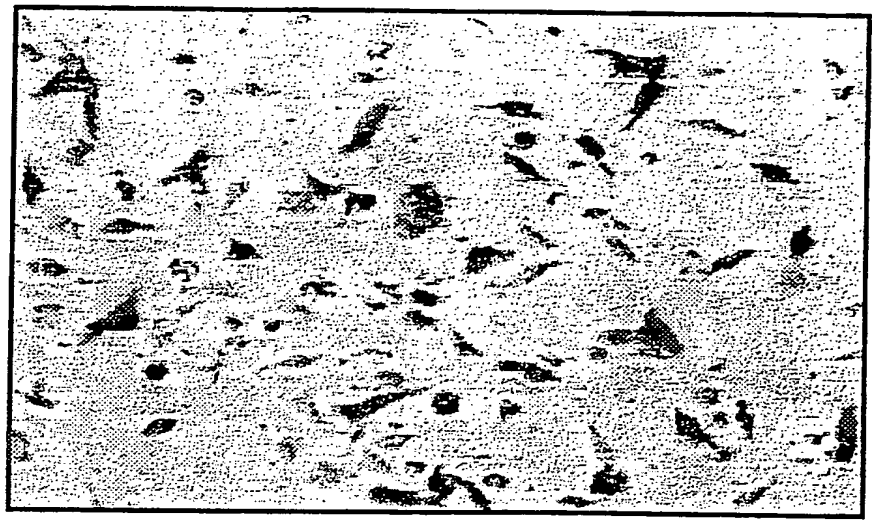


FIG. 4(b)

FIG. 4(c)

FIG. 4(d)

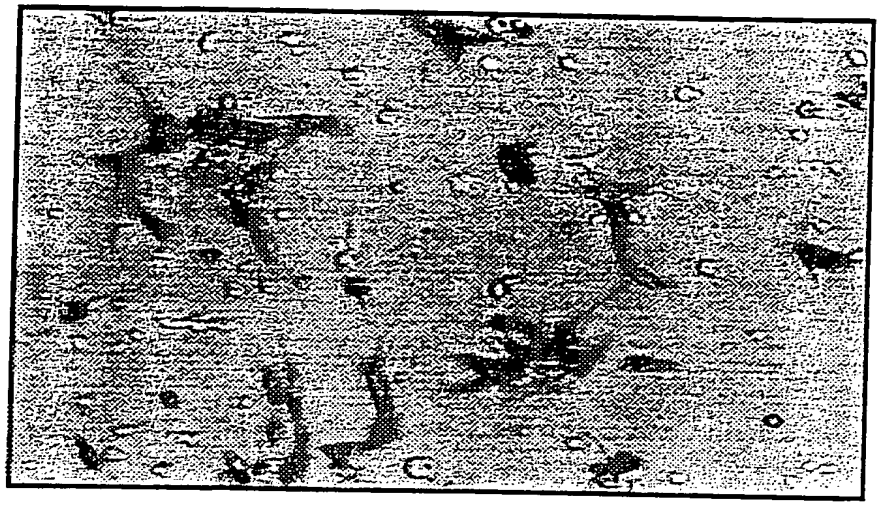


FIG. 4(e)

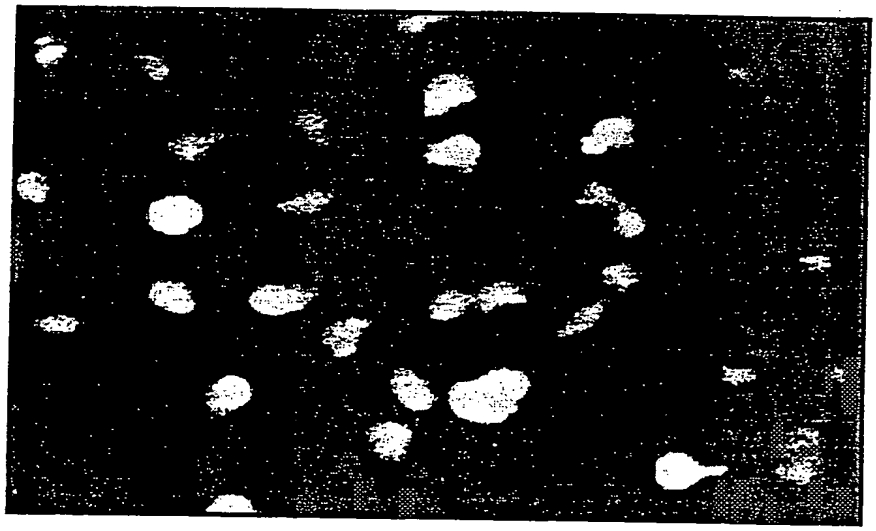


FIG. 4(f)

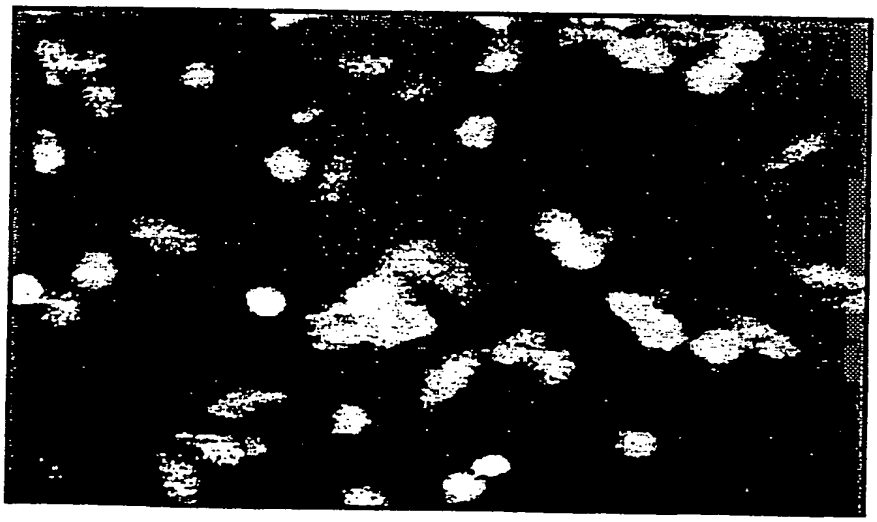


FIG. 4(g)

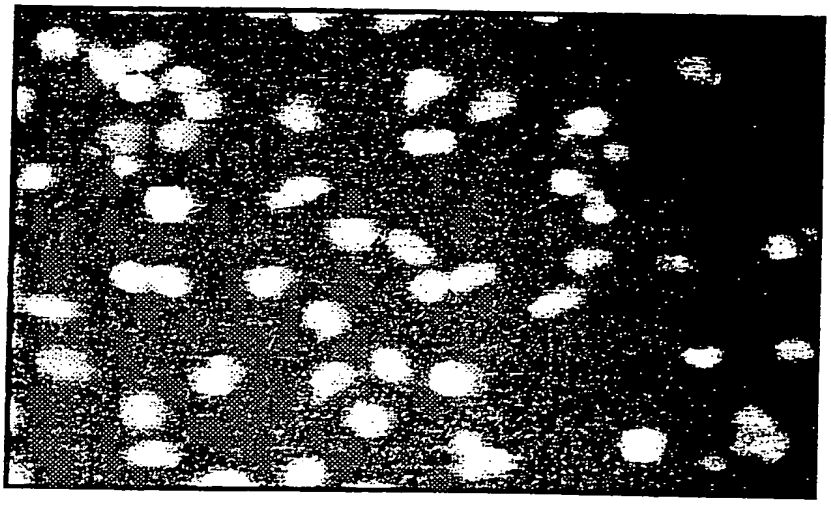


FIG. 4(h)

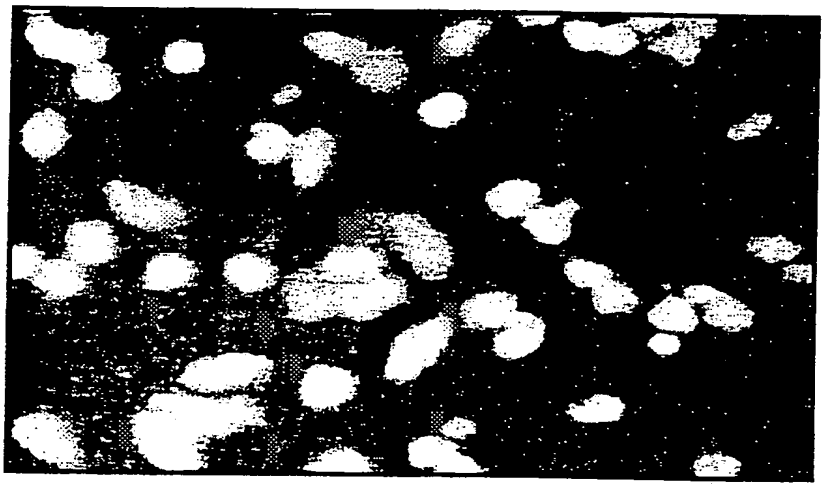


FIG. 4(i)

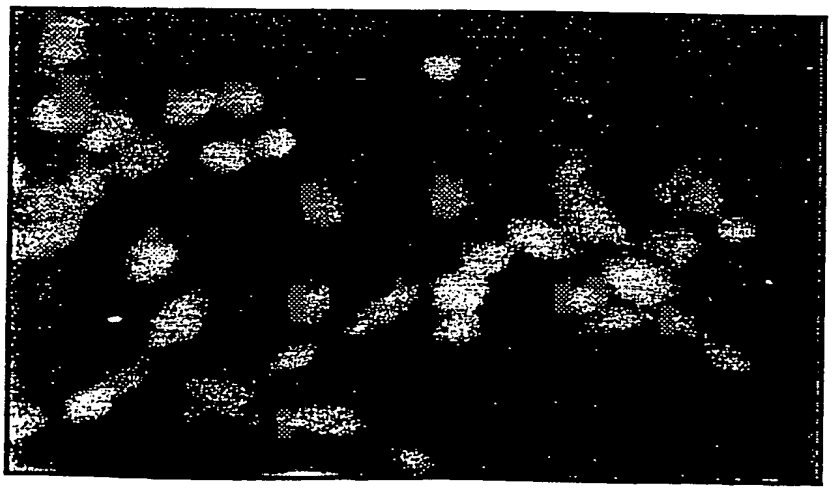


FIG. 5(a)

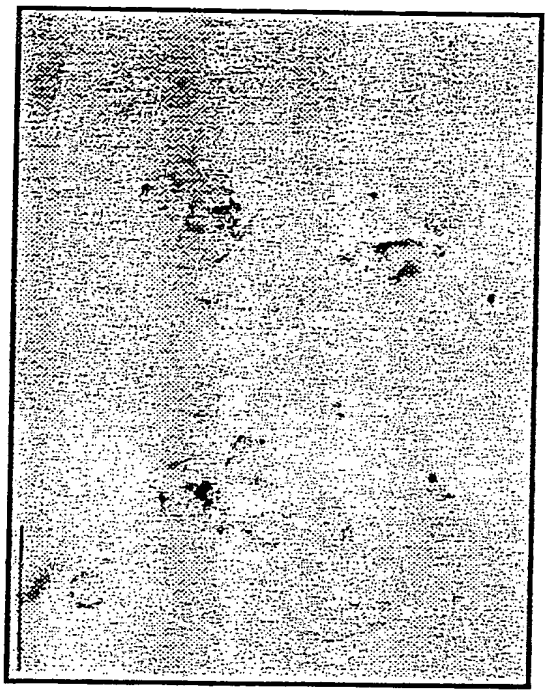


FIG. 5(b)

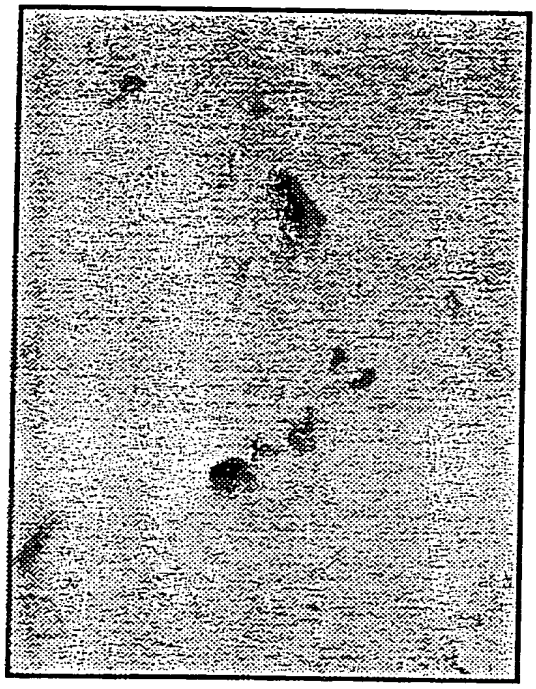


FIG. 5(c)

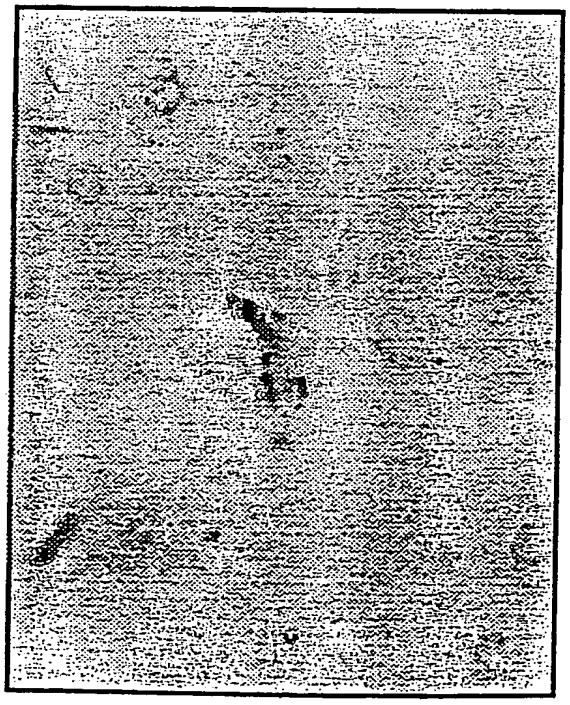


FIG. 5(d)

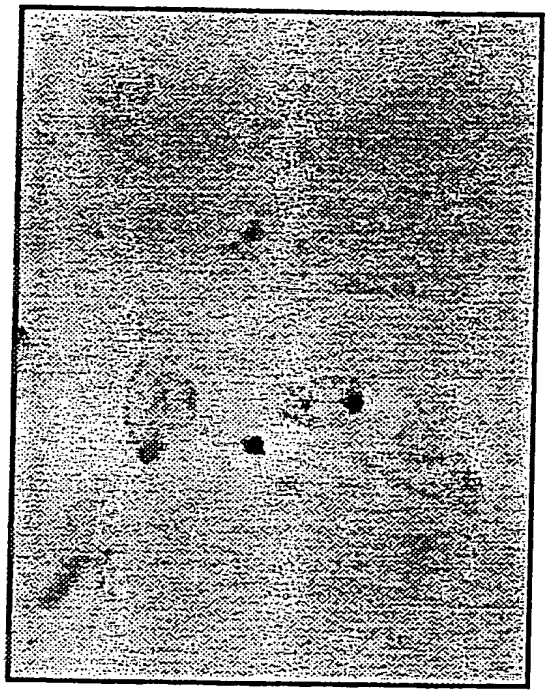


FIG. 5(e)

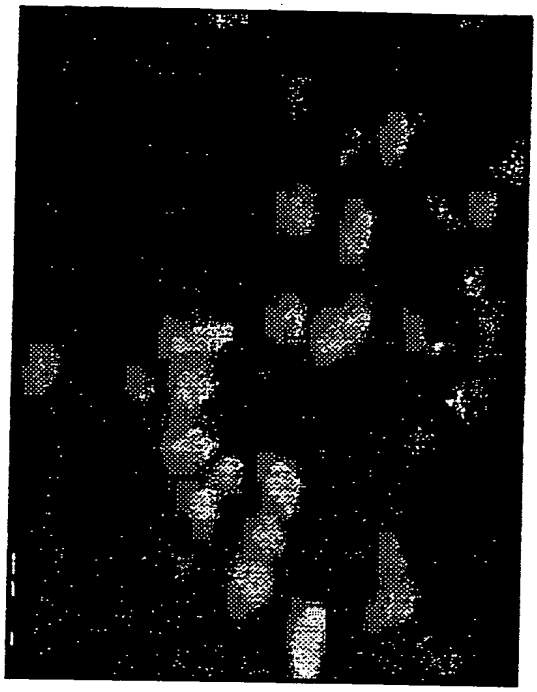


FIG. 5(f)

FIG. 6(a)

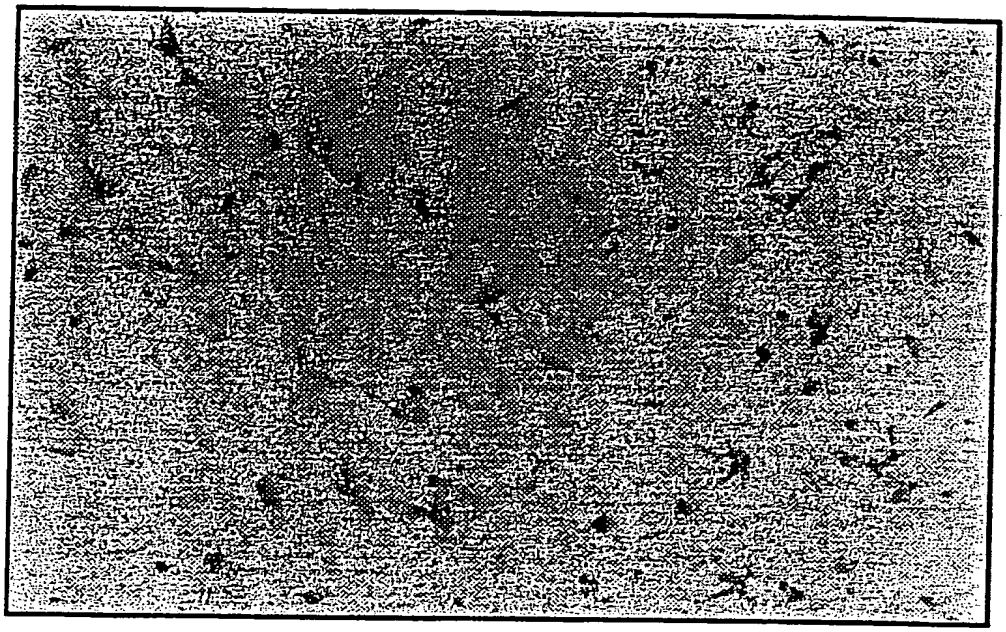


FIG. 6(b)

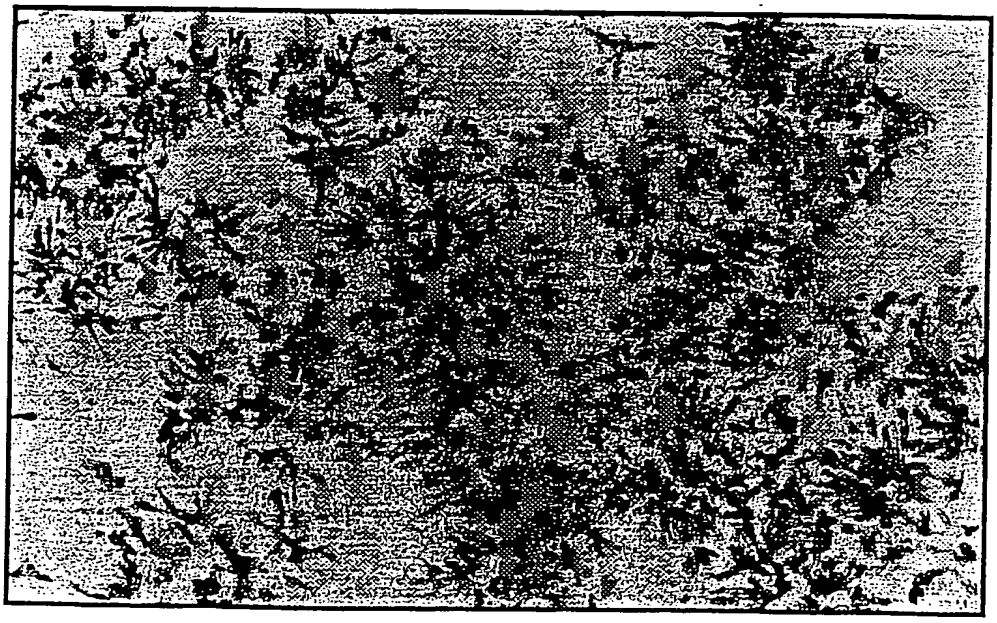


FIG. 7(a)

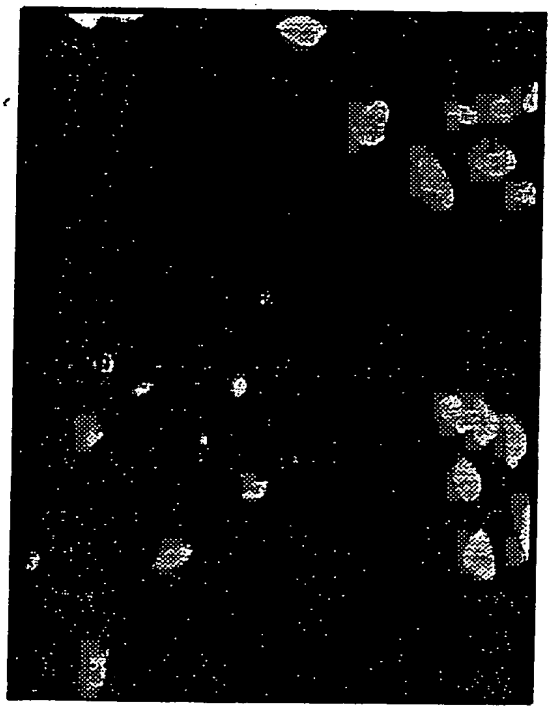


FIG. 7(b)

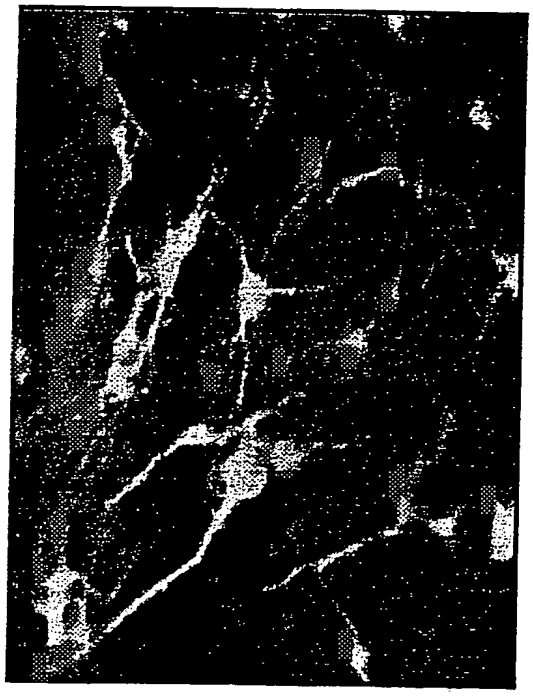


FIG. 7(c)

FIG. 7(d)

FIG. 7(e)

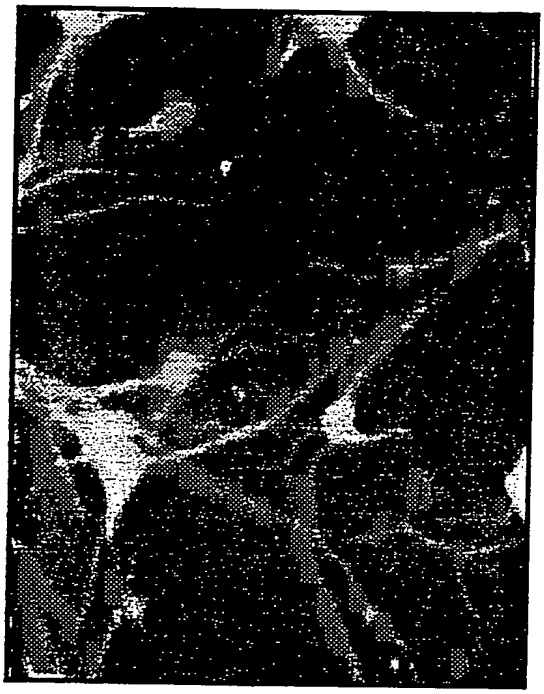


FIG. 7(f)

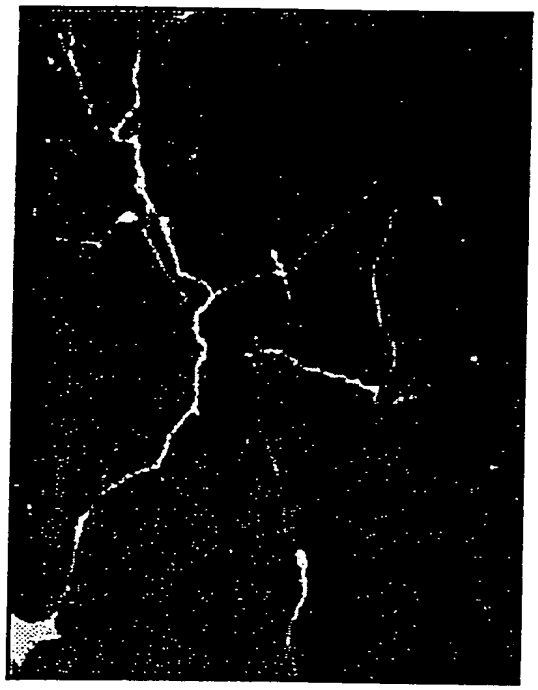


FIG. 7(g)

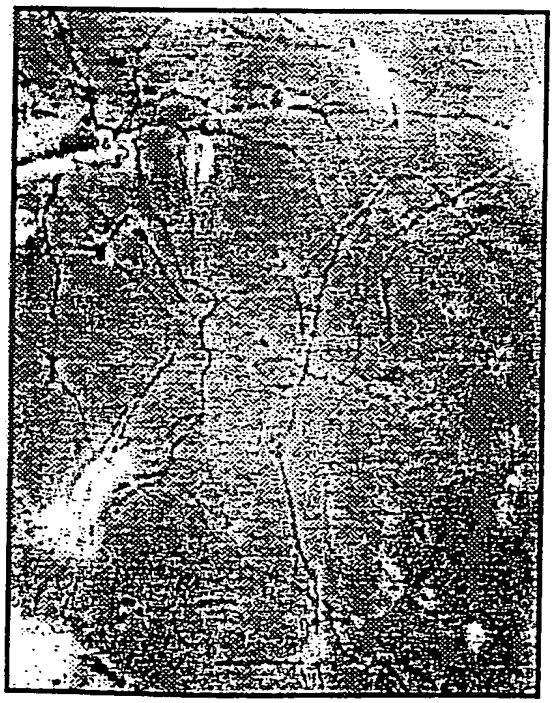


FIG. 7(h)

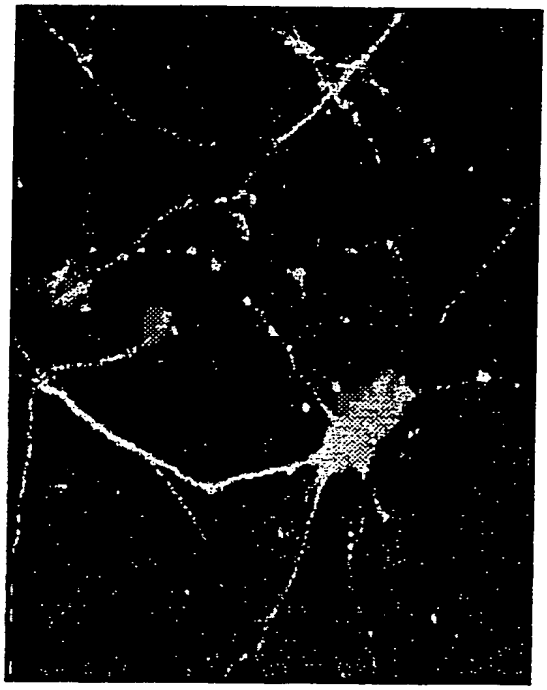


FIG. 7(i)

FIG. 8 INDUCTIVE EFFECT OF SONIC HEDGEHOG ON ES-DERIVED NEURAL PRECURSORS

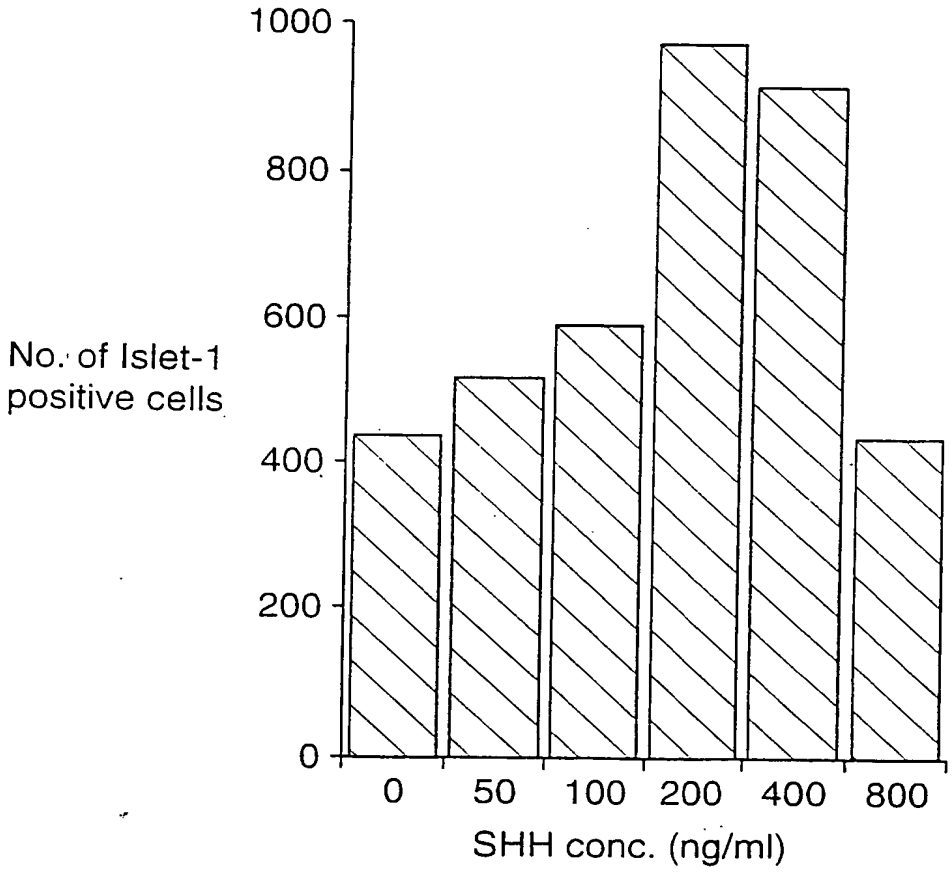
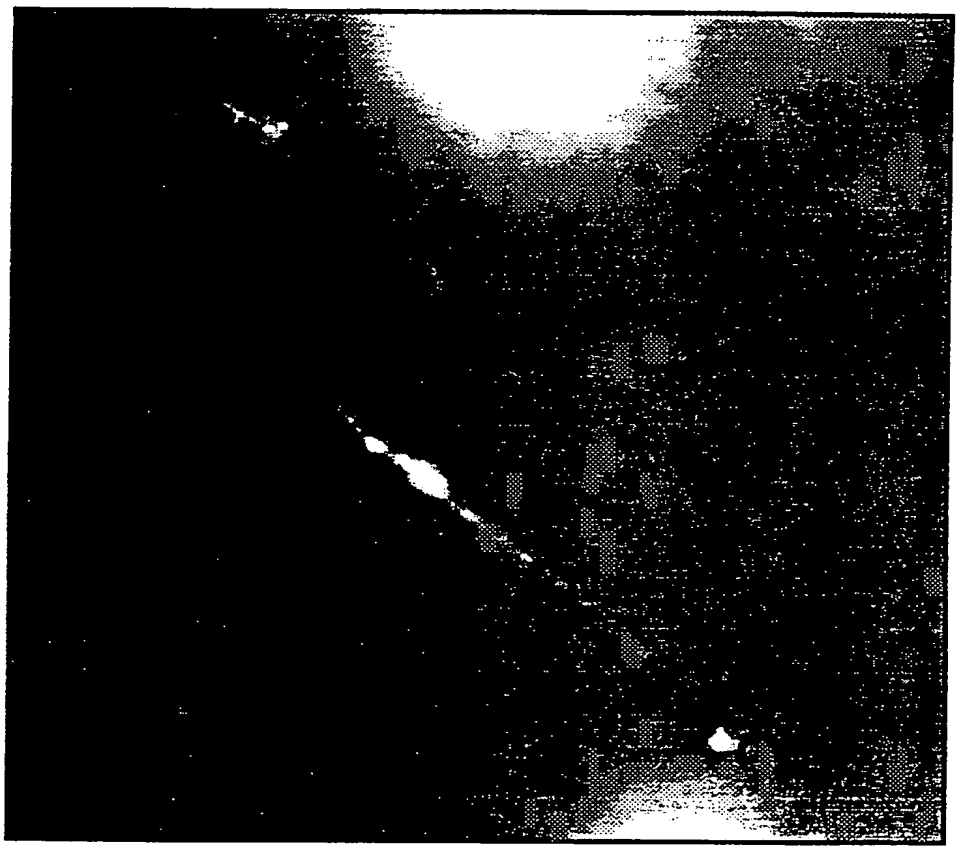



FIG. 9